

10/692,133

IFW

Doc No.: 076950-0011

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 31824
Dennis L. Parker, et al.	:	Confirmation Number: 2162
Patent No.: 7,120,290	:	Group Art Unit: 2624
Issued: October 10, 2006	:	Examiner: Yosef Kassa
For: METHOD AND APPARATUS FOR :	:	
ENHANCING AN IMAGE USING :	:	
DATA OPTIMIZATION AND :	:	
SEGMENTATION :	:	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF GENERAL POWER OF ATTORNEY

Sir:

Transmitted herewith is a general Power Of Attorney which revokes all previous powers of attorney and associates the subject patent with our Customer Number (31824).

Respectfully submitted,

McDERMOTT WILL & EMERY LLP

James W. Hill, MD
Registration No. 46,396

18191 Von Karman Ave., Suite 500
Irvine, CA 92612-7108
Phone: 949.851.0633 JWH:ll
Facsimile: 949.851.9348
Date: October 27, 2006

**Please recognize our Customer No. 31824
as our correspondence address.**

Doc Code

OCT 31 2006

PTO/SB/80 (01-06)

Approved for use through 12/31/2008. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer

31824

OR

☐ Practitioner(s) named below (if more than ten practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☐ The address associated with Customer

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

Assignee Name and Address:

University of Utah Research Foundation

615 Arapleen Drive, Suite 310

Salt Lake City, UT 84108

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

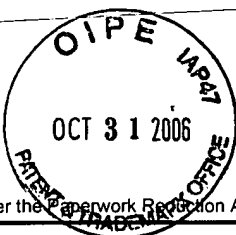
SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>R K Kulkarni</i>	Date	9/19/06
Name	Rajiv Kulkarni, Ph.D., M.B.A.	Telephone	(801) 581-7792
Title	Senior Technology Licensing Manager		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/96 (06-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Dennis L. PARKER, et al.Application No./Patent No: 7,120,290Filed/Issue Date: October 10, 2006METHOD AND APPARATUS FOR ENHANCING AN IMAGE USING DATA OPTIMIZATION ANDEntitled: SEGMENTATION

University of Utah Research Foundation

, a Utah corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

James W. Hill, MD, Reg. No. 46,396

Printed or Typed Name

Attorney for the Assignee

Title

October 27, 2006

Date

(949) 851-0633

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Patent No.: US 6,674,894 B1
Issue Date: January 6, 2004

PATENT
Client Code: UNIUTAH.003NP
Page 1

ASSIGNMENT

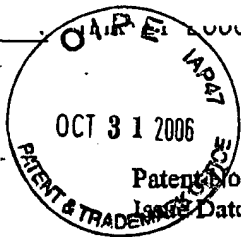
WHEREAS, We, **Donnis L. Parker**, a United States citizen, residing at 727 North 700 East, Centerville, Utah 84014, **Andrew L. Alexander**, a United States citizen, residing at 510 North Blackhawk Avenue, Madison, Wisconsin 53705, **John A. Roberts**, a United States citizen, residing at 1111 East 400 South, Salt Lake City, Utah 84102, and **Brian E. Chapman**, a United States citizen, residing at 3709 Perrysville, Pittsburgh, Pennsylvania 15214, have invented certain new and useful improvements in a METHOD AND APPARATUS FOR ENHANCING AN IMAGE USING DATA OPTIMIZATION AND SEGMENTATION for which a Letters Patent in the United States has been issued on January 6, 2004 as Patent No. 6,674,894 B1 (hereinafter "the Patent").

AND WHEREAS, **University of Utah** (hereinafter "ASSIGNEE"), a Utah Corporation, with its principal place of business at 615 Arapleen Drive, Suite 310, Salt Lake City, Utah 84108, desires to acquire the entire right, title, and interest in and to the invention disclosed in the Patent:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the said improvements, and the Patent and all Letters Patent that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including but not limited to, the right to sue for, collect, and retain damages for past infringements of the Patent before or after issuance.

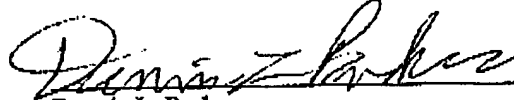
AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives, and assigns any facts known to us respecting the Patent immediately upon becoming aware of those facts, and testify in any legal proceeding involving the Patent, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce the Patent in all countries.



Patent No.: US 6,674,894 B1
Issue Date: January 6, 2004

PATENT
Client Code: UNIUTAH.0031NP
Page: 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21 day of March, 2006


Dennis L. Parker

STATE OF Utah }
COUNTY OF S.L.C. } ss.

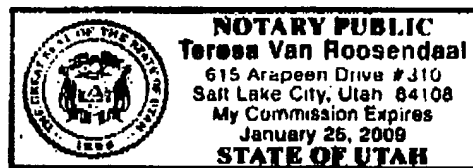
On March 21, 2006 before me, Teresa Van Roosendaal, personally appeared Dennis L. Parker personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that, by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]


Notary Signature


Witness Signature (excluding notarial jurat above)



Patent No.: US 6,674,894 B1
Issue Date: January 6, 2004

PATENT
Client Code: UNIUTAH.003NP
Page: 3

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21 day of February, 2006

Andrew Alexander
Andrew L. Alexander

STATE OF WI }
COUNTY OF DANE } ss.

On 2-21-06, before me, Toby Schellert, personally appeared Andrew L. Alexander personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that, by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Toby Schellert
Notary Signature

Harrison Wiley
Witness Signature (excluding notarial jurat above)



expires 6/21/09

Patent No.: US 6,674,894 B1
Issue Date: January 6, 2004

PATENT
Client Code: UNIUTAH.003NP
Page 4

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21 day of MARCH, 2006

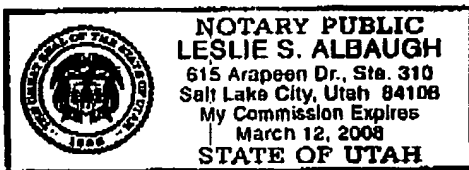
John A. Roberts
John A. Roberts

STATE OF UT }
COUNTY OF Salt Lake } ss.

On March 21, 2006 before me, Leslie S. Albaugh personally appeared John A. Roberts personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that, by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Leslie S. Albaugh
Notary Signature

Carol G. Jones
Witness Signature (excluding notarial jurat above)

Patent No.: US 6,674,894 B1
Issue Date: January 6, 2004

PATENT
Client Code: UNIUTAH.003NP
Page 5

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 23 day of Feb., 2006

Brian E. Chapman
Brian E. Chapman

STATE OF PENNSYLVANIA }
COUNTY OF ALLEGHENY } ss.

On FEB 23 2006, before me, MARY LOU SOSSO, personally appeared Brian E. Chapman personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that, by his signature on the instrument, the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Mary Lou Sosso
Notary Signature

[Signature]
Witness Signature (excluding notarial jurat above)

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Mary Lou Sosso, Notary Public
City Of Pittsburgh, Allegheny County
My Commission Expires Apr. 3, 2009

Member, Pennsylvania Association of Notaries

Patent No.: US 6,674,894 B1
Issue Date: January 6, 2004

PATENT
Client Code: UNIUTAH.003NP
Page 1

ASSIGNMENT

WHEREAS, University of Utah, a Utah corporation having offices at 615 Arapleen Drive, Suite 310, Salt Lake City, UT 84108 (hereinafter "ASSIGNOR"), represents and warrants that it is the sole owner of the entire right, title, and interest to certain new and useful improvements for which ASSIGNOR has filed the following United States issued Letters Patent in the United States (hereinafter "the Patent"):

<u>Patent No.</u>	<u>Issue Date</u>	<u>Title</u>
6,674,894	January 6, 2004	METHOD AND APPARATUS FOR ENHANCING AN IMAGE USING DATA OPTIMIZATION AND SEGMENTATION

WHEREAS, University of Utah Research Foundation, a Utah corporation having offices at 615 Arapleen Drive, Suite 310, Salt Lake City, UT 84108 (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the inventions disclosed in the Patent;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) to ASSIGNOR, and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the said improvements, and the Patent and all Letters Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may be filed for said improvements or for the Patent in any country or countries foreign to the United States, and all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including but not limited to, the right to sue for, collect, and retain damages for past infringements of the Patent before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patent immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving the Patent, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patent in all countries.

Patent No.: US 6,674,894 B1
Issue Date: January 6, 2004

PATENT
Client Code: UNUTAH.003NP
Page: 2

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21st day of March, 2006

University of Utah

By: RK Kulkarni

Name Printed: Rajiv K. Kulkarni

Title: Senior Technology Licensing Manager

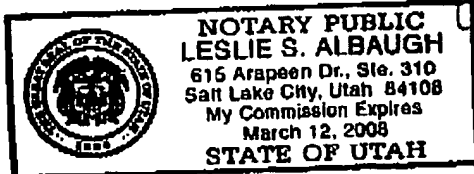
Date: March 21, 2006

STATE OF Utah
COUNTY OF Salt Lake } ss.

On March 21, 2006, before me, Leslie S Albaugh, personally appeared Rajiv K. Kulkarni, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that they executed the same in their authorized capacity(ies), and that, by their signature on the instrument, the entity upon behalf of which the person acted executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Leslie S Albaugh
Notary Signature

Juan Van der Sanden
Witness Signature (excluding notarial jurat above)

MEMORANDUM

Date: 27 August 2003

To: Rajiv K. Kulkarni, Senior Technology Licensing Manager,
Technology Transfer Office

From: Ray Gesteland, Vice President for Research, University of Utah
President, University of Utah Research Foundation

Subject: Delegation of Signatory Authority

This Memorandum confirms the continuing authorization, granted you since 17 September 2001, to execute and sign documents on behalf of the University of Utah and the University of Utah Research Foundation for patent documents, confidential disclosure agreements and biological and materials transfer agreements.


Raymond F. Gesteland, Ph.D.

Vice President for Research
University of Utah

President
University of Utah Research Foundation

University of Utah Research Foundation
201 S PRESIDENTS CIRCLE RM 210
SALT LAKE CITY, UTAH 84112-9011

(801) 581-7236
FAX (801) 585-6212